UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 09/28/2009

David Small Locata Corporation 9 Island View Irvine, CA 92604 EXAMINER

PHAN, DAO LINDA

ART UNIT

PAPER NUMBER

3662

DATE MAILED: 09/28/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/527,747 03/14/2005 David Small 9551

TITLE OF INVENTION: SYSTEM AND METHOD FOR THE MITIGATION OF MULTIPATH AND THE IMPROVEMENT OF SIGNAL-TO-NOISE RATIOS IN TIME DIVISION MULTIPLE ACCESS(TDMA) LOCATION NETWORKS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	12/28/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

appropriate. All further correspondence including the Patent, advance orders and notification indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new containtenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				on of maintenance fees will be mailed to the current correspondence address as correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must			
	7590 09/28	pa ha	ve its own certificate	of maili	ng or transmission.	t or formal drawing, must	
David Small Locata Corporat 9 Island View	ion	72009	I I St ad tra	ereby certify that thi ates Postal Service w dressed to the Mail	s Fee(s) ith suffic Stop IS	of Mailing or Transn Transmittal is being cient postage for first SSUE FEE address a 273-2885, on the da	deposited with the United class mail in an envelope above, or being facsimile
Irvine, CA 9260	14						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTOR	NEY DOCKET NO.	CONFIRMATION NO.
10/527,747	03/14/2005		David Small				9551
ATIOS IN TIME DIVI	SION MULTIPLE ACC	HOD FOR THE MITIGA ESS(TDMA) LOCATION	N NETWORKS	_			
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUI		FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755 	\$300	\$0 ¬		\$1055	12/28/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
PHAN, DA	AO LINDA	3662	342-386000				
. Change of correspondence address or indication of "Fee Address" (37 :FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON PLEASE NOTE: Unless an assignee is identified below, no assignee recordation as set forth in 37 CFR 3.11. Completion of this form is NO			data will appear on the patent. If an assignee is identified below, the document has been filed for				
(A) NAME OF ASSI		categories (will not be pr	(B) RESIDENCE: (CIT			•	up entity 🗖 Government
a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
a. Applicant claim	itus (from status indicated as SMALL ENTITY statu	ıs. See 37 CFR 1.27.	b. Applicant is no lo				R 1.27(g)(2).
nterest as shown by the	records of the United Sta	ites Patent and Trademark	Office.	the applicant; a regis	iered au	torney or agent; or the	assignee or other party in
Authorized Signature			Date				
Typed or printed name				_			
This collection of inform n application. Confiden ubmitting the completen is form and/or suggest	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this bu	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the	on is required to obtain o 1.14. This collection is a depending upon the inc e Chief Information Offi	retain a benefit by the stimated to take 12 m ividual case. Any concer, U.S. Patent and	e public ninutes to nments Fradema	which is to file (and o complete, including on the amount of tim rk Office, U.S. Depar	by the USPTO to process) gathering, preparing, and the you require to complete the the three to complete.

submitting the completed application form to the USP10. Time will vary depending upon the limiting the completed application form to the USP10. Time will vary depending upon the limiting the completed application for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450

P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/527,747	03/14/2005	David Small	9551		
75	90 09/28/2009		EXAM	IINER	
David Small			PHAN, DAO LINDA		
Locata Corporation	l		ART UNIT	PAPER NUMBER	
9 Island View Irvine, CA 92604			3662 DATE MAILED: 09/28/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
Notice of Allowability	10/527,747 Examiner	SMALL, DAVID Art Unit	
,			
	Dao L. Phan	3662	
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED 5) or other appropriate comm RIGHTS. This application is	in this application. If not included munication will be mailed in due coul	rse. THIS
1. \boxtimes This communication is responsive to <u>07/09/2009</u> .			
2. ☑ The allowed claim(s) is/are <u>13-32</u> .			
 3. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents hat 2. Certified copies of the priority documents hat 	ve been received.	, , , ,	
3. ☐ Copies of the certified copies of the priority of	• • • • • • • • • • • • • • • • • • • •		from the
International Bureau (PCT Rule 17.2(a)).	documents have been recent	red in this national stage application	nom the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be sub	NMENT of this application. omitted. Note the attached E.	XAMINER'S AMENDMENT or NOTI	
INFORMAL PATENT APPLICATION (PTO-152) which g	, , ,	or declaration is deficient.	
5. CORRECTED DRAWINGS (as "replacement sheets") m		/ DTO 040) attached	
(a) ☐ including changes required by the Notice of Draftspe1) ☐ hereto or 2) ☐ to Paper No./Mail Date	-	ew (PTO-948) attached	
(b) ☐ including changes required by the attached Examine		or in the Office action of	
Paper No./Mail Date	or 37 thieriament / 30mment	of in the office detion of	
ldentifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			k) of
 DEPOSIT OF and/or INFORMATION about the department of the department of			the
Attachment(s)	5 		
1. Notice of References Cited (PTO-892)		Informal Patent Application	
 Notice of Draftperson's Patent Drawing Review (PTO-948 Information Disclosure Statements (PTO/SB/08), 	Paper No	Summary (PTO-413), p./Mail Date 's Amendment/Comment	
Paper No./Mail Date			
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		's Statement of Reasons for Allowar	ice
	9.		
/Dao L. Phan/	Note: The dra	wings filed on 7/9/2009 are acce	pted.
Primary Examiner, Art Unit 3662			

Art Unit: 3662

- 1. The following is an examiner's statement of reasons for allowance: the examiner found no teaching in the prior art that would render obvious the claimed system and a method for determining accurate range measurements in multipath and poor signal-to-noise ratio environments and subsequently improving location determination at a position receiver including "calculating the location of said position receiver from said received Time Division Multiple Access (TDMA) positioning signals, and steering a directional gain pattern of said directionally agile beam antenna exclusively towards the origin of the currently received Time Division Multiple Access (TDMA) positioning signal, said steering responsive to said calculated location of said position receiver".
- 2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dao L. Phan whose telephone number is (571)272-6976. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Tarcza can be reached on (571)272-6979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/527,747 Page 3

Art Unit: 3662

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dao L. Phan/ Primary Examiner, Art Unit 3662